

CLAIMS

What is claimed is:

- 1 1. A method of dynamically controlling release of information on a network, the
2 method comprising:
3 determining that protected information associated with a hand-held
4 wireless communication device is needed or requested by a remote network
5 entity; and
6 enabling a user of the hand-held wireless communication device to
7 dynamically control release of the protected information based on a result of said
8 determining.
- 1 2. A method as recited in claim 1, wherein said enabling comprises using
2 Hypertext Transport Protocol (HTTP) to communicate with the wireless device.
- 1 3. A method as recited in claim 1, wherein the protected information comprises
2 presence information relating to the hand-held wireless communication device.
- 1 4. A method as recited in claim 1, wherein the protected information comprises
2 location information relating to the hand-held wireless communication device.
- 1 5. A method as recited in claim 1, wherein the protected information comprises
2 information identifying the hand-held wireless communication device or its user.
- 1 6. A method as recited in claim 1, wherein the remote network entity is a remote

2 web-based application implemented on a wired network.

1 7. A method as recited in claim 1, wherein said enabling comprises presenting a
2 user interface on the hand-held wireless communication device to enable the
3 user to select from a plurality of options relating to release of the information.

1 8. A method as recited in claim 1, wherein said enabling comprises transmitting
2 second information to the hand-held wireless communication device over a
3 wireless network, the second information for use by the hand-held wireless
4 communication device to present a user interface to enable the user to select from
5 a plurality of options relating to release of the information.

1 9. A method as recited in claim 8, wherein said transmitting second information
2 to the hand-held wireless communication device over a wireless network
3 comprises transmitting the second information to the hand-held wireless
4 communication device over a wireless network using Hypertext Transport
5 Protocol (HTTP).

1 10. A hand-held wireless communication device comprising:
2 a processor;
3 a transceiver to communicate with a remote device over a wireless
4 medium;
5 an input control;
6 an output device; and

7 a memory storing instructions which configure the processor to generate a
8 user interface on the output device to enable a user to use the input control to
9 dynamically control release of information associated with the hand-held
10 wireless communication device to a remote application.

1 11. A hand-held wireless communication device as recited in claim 10, wherein
2 the information comprises presence information relating to the hand-held
3 wireless communication device.

1 12. A hand-held wireless communication device as recited in claim 10, wherein
2 the information comprises location information relating to the hand-held
3 wireless communication device.

1 13. A hand-held wireless communication device as recited in claim 10, wherein
2 the protected information comprises information identifying the hand-held
3 wireless communication device or its user.

1 14. A hand-held wireless communication device as recited in claim 10, wherein
2 the remote application is a remote web-based application implemented on a
3 wired network.

1 15. A hand-held wireless communication device as recited in claim 10, wherein
2 the user interface enables the user to dynamically control release of the
3 information in response to a request for the information.

1 16. A hand-held wireless communication device comprising:
2 transceiver means for communicating with a remote device over a
3 wireless medium; and
4 user interface means for enabling a user to dynamically control release of
5 information associated with the hand-held wireless communication device to a
6 remote application.

1 17. A hand-held wireless communication device as recited in claim 16, wherein
2 the information comprises presence information relating to the hand-held
3 wireless communication device.

1 18. A hand-held wireless communication device as recited in claim 16, wherein
2 the information comprises location information relating to the hand-held
3 wireless communication device.

1 19. A hand-held wireless communication device as recited in claim 16, wherein
2 the protected information comprises information identifying the hand-held
3 wireless communication device or its user.

1 20. A hand-held wireless communication device as recited in claim 16, wherein
2 the remote application is a remote web-based application implemented on a
3 wired network.

1 21. A hand-held wireless communication device as recited in claim 16, wherein

the user interface means comprises means for enabling the user to dynamically control release of the information in response to a request for the information.

22. A machine readable program storage medium for use in a wireless hand-held communications device, the storage medium storing sequences of instructions, which when executed on the hand-held communications device, cause the hand-held communications device to generate a user interface on a display device of the hand-held communications device, to enable a user of the hand-held communications device to use an input control of the hand-held communications device to dynamically control release of information associated with the hand-held wireless communication device to a remote application, in response to a request for the information.

23. A machine readable program storage medium as recited in claim 22, wherein the information comprises presence information relating to the hand-held wireless communication device.

24. A machine readable program storage medium as recited in claim 22, wherein the information comprises location information relating to the hand-held wireless communication device.

25. A machine readable program storage medium as recited in claim 22, wherein the protected information comprises information identifying the hand-held wireless communication device or its user.

1 26. A method of dynamically controlling release of information on a network,
2 the method comprising:
3 determining that protected information associated with a remote, hand-
4 held wireless communication device is needed or requested by another network
5 entity;
6 communicating with the hand-held wireless communication device to
7 allow a user of the hand hand-held wireless communication device to
8 dynamically control release of the protected information; and
9 releasing the protected information according to a result of said
10 communicating.

1 27. A method as recited in claim 26, wherein said communicating comprises
2 using Hypertext Transport Protocol (HTTP) to communicate with the hand-held
3 wireless communication device.

1 28. A method as recited in claim 26, wherein the protected information
2 comprises presence information relating to the hand-held wireless
3 communication device.

1 29. A method as recited in claim 26, wherein the protected information
2 comprises location information relating to the hand-held wireless
3 communication device.

1 30. A method as recited in claim 26, wherein the protected information

2 comprises information identifying the hand-held wireless communication device
3 or its user.

1 31. A method as recited in claim 26, further comprising operating as a proxy
2 between the hand hand-held wireless communication device and remote
3 applications.

1 32. A method as recited in claim 26, further comprising providing a gateway to
2 interface a wireless network on which the hand hand-held wireless
3 communication device operates with a wired network.

1 33. A method as recited in claim 26, further comprising:
2 operating as a proxy between the hand hand-held wireless
3 communication device and remote applications; and
4 providing a gateway to interface a wireless network on which the hand
5 hand-held wireless communication device operates with a wired network.

1 34. A method as recited in claim 26, wherein the network entity is a remote web-
2 based application implemented on a wired network.

35. A method as recited in claim 26, wherein said communicating with the hand-held wireless communication device comprises transmitting second information to the hand-held wireless communication device over a wireless network, the second information for use by the hand-held wireless communication device to

5 present a user interface to enable the user to select from a plurality of options
6 relating to release of the information.

1 36. A method as recited in claim 26, wherein said determining that protected
2 information associated with a remote, hand-held wireless communication device
3 is needed by another network entity comprises
4 intercepting a request to the network entity from the hand-held wireless
5 communication device.

1 37. A method as recited in claim 26, wherein said determining that protected
2 information associated with a remote, hand-held wireless communication device
3 is needed by another network entity comprises
4 receiving a request for said information from the network entity.

1 38. A method as recited in claim 26, wherein said determining that protected
2 information associated with a remote, hand-held wireless communication device
3 is needed by another network entity comprises
4 receiving a communication from the network entity, wherein the
5 communication from the network entity is responsive to a request from the
6 hand-held wireless communication device to the network entity.

1 39. A method of dynamically controlling release of information on a network,
2 the method comprising:
3 receiving a communication from a remote application on a wired network,

the communication responsive to a prior request sent by a hand-held wireless client device on a wireless network to the remote server;

determining, in response to the communication, that information associated with the hand-held wireless client device is needed to fulfill the request;

communicating with the hand-held wireless client device to allow a user of the wireless device to dynamically control release of the information; and

releasing the information to the remote application according to a result of said communicating.

40. A method as recited in claim 39, wherein said communicating comprises using Hypertext Transport Protocol (HTTP) to communicate with the hand-held wireless client device.

41. A method as recited in claim 39, wherein said communicating with the hand-held wireless client device comprises transmitting second information to the hand-held wireless client device over the wireless network, the second information for use by the hand-held wireless client device to present a user interface to enable the user to select from a plurality of options relating to release of the information.

42. A method of dynamically controlling release of information on a network,
the method comprising:

intercepting a request sent from a hand-held wireless client device over a wireless network, the request directed to a remote application on a wired network;

determining whether information associated with the hand-held wireless client device is needed to fulfill the request;

if said information is required to fulfill the request, communicating with the hand-held wireless client device to allow a user of the hand-held wireless client device to dynamically control release of the information; and

releasing the information to the remote server according to a result of said communicating.

43. A method as recited in claim 42, wherein said communicating with the hand-held wireless client device comprises using Hypertext Transport Protocol (HTTP) to communicate with the hand-held wireless client device.

44. A method as recited in claim 42, wherein said communicating with the hand-held wireless client device comprises transmitting second information to the hand-held wireless client device over the wireless network, the second information for use by the hand-held wireless client device to present a user interface to enable the user to select from a plurality of options relating to release of the information.

45. A processing system comprising:

2 a data communication device;
 3 a processor; and
 4 a memory storing instructions executable by the processor to cause the
 5 processing system to execute a process comprising:
 6 determining that protected information associated with a remote,
 7 hand-held wireless communication device is needed or requested by another
 8 network entity;
 9 communicating with the hand-held wireless communication
 10 device, using the data communication device, to allow a user of the hand hand-
 11 held wireless communication device to dynamically control release of the
 12 protected information; and
 13 releasing the protected information according to a result of said
 14 communicating.

1 46. A processing system as recited in claim 45, wherein the protected
 2 information comprises presence information relating to the hand-held wireless
 3 communication device.

1 47. A processing system as recited in claim 45, wherein the protected
 2 information comprises location information relating to the hand-held wireless
 3 communication device.

1 48. A processing system as recited in claim 45, further comprising a proxy server

2 to operate as a proxy between the hand hand-held wireless communication
3 device and remote applications.

1 49. A processing system as recited in claim 45, further comprising a gateway to
2 interface a wireless network on which the hand hand-held wireless
3 communication device operates with a wired network.

1 50. A processing system as recited in claim 45, further comprising:
2 a proxy server to operate as a proxy between the hand hand-held wireless
3 communication device and remote applications; and
4 a gateway to connect a wireless network on which the hand hand-held
5 wireless communication device operates with a wired network.

1 51. A processing system as recited in claim 45, wherein the network entity is a
2 remote web-based application implemented on a wired network.

1 52. A processing system as recited in claim 45, wherein said communicating
2 with the hand-held wireless communication device comprises transmitting
3 second information to the hand-held wireless communication device over a
4 wireless network, the second information for use by the hand-held wireless
5 communication device to present a user interface to enable the user to select from
6 a plurality of options relating to release of the information.

1 53. A processing system as recited in claim 45, wherein said determining that

2 protected information associated with a remote, hand-held wireless
3 communication device is needed by another network entity comprises
4 intercepting a request to the network entity from the hand-held wireless
5 communication device.

1 54. A processing system as recited in claim 45, wherein said determining that
2 protected information associated with a remote, hand-held wireless
3 communication device is needed by another network entity comprises
4 receiving a request for said information from the network entity.

1 55. A processing system as recited in claim 45, wherein said determining that
2 protected information associated with a remote, hand-held wireless
3 communication device is needed by another network entity comprises
4 receiving a communication from the network entity, wherein the
5 communication from the network entity is responsive to a request from the
6 hand-held wireless communication device to the network entity.

1 56. A machine readable program storage medium storing sequences of
2 instructions, which when executed on a processing system, cause the processing
3 system to perform a method comprising:
4 determining that protected information associated with a remote, hand-
5 held wireless communication device is needed or requested by another network
6 entity;

7 communicating with the hand-held wireless communication device, using
8 the data communication device, to allow a user of the hand hand-held wireless
9 communication device to dynamically control release of the protected
10 information; and
11 releasing the protected information according to a result of said
12 communicating.

1 57. A machine readable program storage medium as recited in claim 56, wherein
2 the network entity is a remote web-based application implemented on a wired
3 network.

1 58. A machine readable program storage medium as recited in claim 56, wherein
2 said communicating with the hand-held wireless communication device
3 comprises transmitting second information to the hand-held wireless
4 communication device over a wireless network, the second information for use
5 by the hand-held wireless communication device to present a user interface to
6 enable the user to select from a plurality of options relating to release of the
7 information.

1 59. A machine readable program storage medium as recited in claim 56, wherein
2 said determining that protected information associated with a remote, hand-held
3 wireless communication device is needed by another network entity comprises
4 intercepting a request to the network entity from the hand-held wireless

5 communication device.

1 60. A machine readable program storage medium as recited in claim 56, wherein
2 said determining that protected information associated with a remote, hand-held
3 wireless communication device is needed by another network entity comprises
4 receiving a request for said information from the network entity.

1 61. A machine readable program storage medium as recited in claim 56, wherein
2 said determining that protected information associated with a remote, hand-held
3 wireless communication device is needed by another network entity comprises
4 receiving a communication from the network entity, wherein the
5 communication from the network entity is responsive to a request from the
6 hand-held wireless communication device to the network entity.